

## **CURRICULUM VITAE**

### **THOMAS J. BLUMENFELD, MD**

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Sacramento, CA 95816  
(916) 732-3340

#### **EDUCATIONAL BACKGROUND:**

##### Undergraduate Education

University of California, Davis  
Bachelor of Arts, Political Science, 1985  
Pi Sigma Alpha Honor Society

##### Graduate Education

University of California, Davis  
Master's Program, Exercise Physiology  
May, 1985 to June, 1986

#### **MEDICAL EDUCATION**

Tufts University School of Medicine  
Doctor of Medicine, 1990  
Hewlett Packard Award – top five graduating seniors  
Alpha Omega Alpha Honor Society

#### **RESIDENCY/ FELLOWSHIP**

##### Internship

General Surgery  
Santa Barbara Cottage Hospital  
Santa Barbara, California 1990-1991

##### Residency

Orthopaedic Surgery  
New England Medical Center  
Boston, Massachusetts 1991-1995

##### Fellowship

Adult Total Joint Reconstructive Surgery  
Dr. William Bargar, Director  
Sacramento, California 1995-1996

#### **ACADEMIC APPOINTMENTS**

Associate Clinical Professor, WOS  
Department of Orthopaedics  
University of California at Davis  
2006 to current

## **WORK HISTORY**

Private Practice, Adult Total Joint Reconstructive Surgery  
Sacramento, CA April 1, 2017 – present

Orthopaedic Specialists of Sacramento, Adult Total Joint Reconstructive Surgery  
July 1, 2014 – March 31, 2017

Private Practice, Adult Total Joint Reconstructive Surgery  
Sacramento, CA 2/1998 to June 30, 2014

MedClinic, Department of Orthopaedics  
Sacramento, California 1996 to 2/1998

## **COMMITTEE ASSIGNMENTS**

Adult Reconstruction-Knee Program Subcommittee  
American Academy of Orthopaedic Surgeons  
2013 - 2016

Adult Reconstruction-Hip Program Subcommittee  
American Academy of Orthopaedic Surgeons  
2008 – 2012

Chairman, Total Joint Replacement Committee  
Sutter General Hospital  
March 2008 to March 2009

Total Joint Replacement Committee  
Sutter General Hospital  
July 2005 to September 2006

Medical Advisory Panel  
Sutter General Hospital  
November 2004 to March 2006

Chairman, Orthopaedic Surgery Section  
Sutter General Hospital  
September 2000 to December 2003

Surgical Administrative Committee  
Sutter General Hospital  
September 2000 to December 2001

Sutter Institute for Medical Research  
Sutter General Hospital  
June 2001 to June 2005

### **BOOK CHAPTERS**

1. Blumenfeld TJ. Primary Hip Arthroplasty. CHAPMAN'S COMPREHENSIVE ORTHOPAEDIC SURGERY, 4<sup>TH</sup> EDITION, edited by James, M, and Chapman, M, 2019.
2. Blumenfeld, TJ. Revision Acetabulum: Results of Oblong and "Modular Oblong" Acetabular Components. In The Hip: Preservation Replacement and Revision, edited by Cashman, J, Goyal, N, and Parvizi J, 2015.

### **PUBLICATIONS**

1. Odum SM, Fehring TK; (Blumenfeld TJ - Knee Society Crosswalk Writing Group). Can original Knee Society scores be used to estimate new 2011 Knee Society scores? Clin Orthop Rel Res 2017;475:160-167.
2. Blumenfeld TJ. Pearls: Clinical Application of Ranawat's Sign. Clin Orthop Rel Res 2017;475:1789-1790.2.
3. CORR Insights: Custom acetabular cages offer stable fixation and improved hip scores for revision THA with severe bone defects. Clin Orthop Rel Res 2016;474:741-3.
4. Blumenfeld TJ. Rethinking the definition of success in the management of a periprosthetic joint infection. Commentary on an article by Parvizi, J, et al: The Fate of Spacers in the Treatment of Periprosthetic Joint Infection. J Bone Joint Surg Am. 2015;97:e64.
5. Hamilton W, McAuley J, Blumenfeld TJ, Lesko J, Himden S, Dennis D. Midterm results of Delta ceramic-on-ceramic total hip arthroplasty. J Arthroplasty 2015;30:110-5.
6. Meehan JP, Blumenfeld TJ, Kim JJ, Sucher MG. Risks and benefits of simultaneous bilateral total knee arthroplasty. a critical analysis review. J Bone Joint Surg Reviews 2015;3(2):e2.

7. Blumenfeld TJ. What do the SCIP guidelines “SKIP”? Commentary on an article by Brent Ponce, MD et al.: "Surgical Site Infection After Arthroplasty: Comparative Effectiveness of Prophylactic Antibiotic Choice. Do Surgical Care Improvement Project Guidelines Need to be Updated?" J Bone Joint Surg Am. 2014;96:e103.
8. Blumenfeld TJ, Meehan JP. The use of augment devices in revision acetabular surgery. J Bone Joint Surg Reviews 2014;2(3):e4.
9. Blumenfeld TJ. Does the infection or the treatment kill the patient?: Commentary on an article by Benjamin Zmistowski, BS, et al: "Periprosthetic joint infection increases the risk of one-year mortality". J Bone Joint Surg Am. 2013;95:e200(1-2).
10. Blumenfeld TJ. CORR Insights: Is TKA using patient-specific instruments comparable to conventional TKA? A randomized controlled study of one system". Clin Orthop Rel Res. 471;2013:3996-7.
11. Blumenfeld TJ. The computer is only a tool and not an outcome. J Bone Joint Surg Am. 2012;94:e168.
12. Blumenfeld TJ. Implant choices, technique, and results in revision acetabular surgery: a review. Hip Int 2012;22:235-247.
13. Kim SH, Meehan JP, Blumenfeld T, Szabo RM. Hip fractures in the United States: 2008 nationwide emergency department sample. Arthritis Care Res. 2012;64:751-57.
14. Blumenfeld TJ, Bargar WL. Surgical technique: A cup-in-cup technique to restore offset in severe protrusio acetabular defects. Clin Orthop Relat Res. 2012;470:435-41.
15. Blumenfeld TJ, Glaser D, Bargar W, Komistek R, Langston G, Mahfouz M. In vivo assessment of total hip femoral head separation from the acetabular cup during four common daily activities. Orthopedics 2011;34:127.
16. Blumenfeld, TJ. Commentary on an article by Christopher R. Wolf, MD, et.al.: “Comparison of one and two-stage revision of total hip arthroplasty complicated by infection. A Markov expected-utility decision analysis”. J Bone Joint Surg Am. 2011;93:ae33.
17. Blumenfeld, TJ. Commentary on an article by Jeffrey N. Katz, MD, MSc, et al: “Choice of hospital for revision total hip replacement”. J Bone Joint Surg Am. 2010;92:e34.

18. Blumenfeld TJ, McKellop H, Schmalzried T, Billi F. Fracture of a cross-linked polyethylene liner: A multifactorial issue. *J Arthroplasty* 2011;26:666.e5-8.
19. Blumenfeld TJ, Scott RD. The role of the cemented all-polyethylene tibial component in total knee replacement: a 30-year patient follow-up and review of the literature. *Knee* 2010;(6):412-6.
20. Blumenfeld TJ, Bargar WL, Campbell PA. A painful metal on metal total hip arthroplasty: a diagnostic dilemma. *J Arthroplasty* 2010;25:1168.e1-4.
21. Hamilton WG, McCauley JP, Dennis DA, Murphy JA, Blumenfeld TJ, Politi J. THA with Delta ceramic on ceramic: results of a multicenter investigational device exemption trial. *Clin Ortho Relat Res.* 2010;468:358-366.  
Erratum in: *Clin Ortho Relat Res.* 2010;468:909.
21. Blumenfeld TJ. Removing a well-fixed non-modular bearing cementless acetabular component: a simple modification of an existing removal device. *J Arthroplasty* 2010;25:498.e1-3.
22. Blumenfeld TJ, Bargar WL. Use of larger femoral heads in revision total hip arthroplasty: will this solve dislocation? *Orthopedics* 2008;31:995-999.
23. Ferney BJ, Blumenfeld TJ, Bargar WL. Time to revision of primary THA is shorter for specialists than nonspecialists. *Clin Orthop Relat Res.* 2007;465:175-179.
24. Blumenfeld TJ, Bargar WL. Acetabular revision using a cementless protrusio shell: clinical and radiographic analysis at midterm follow-up. *J Arthroplasty* 2007;22:311.
25. Blumenfeld TJ, Bargar WL. Early aseptic loosening of a modern acetabular component secondary to a change in manufacturing. *J Arthroplasty* 2006;21:689-95.

### **MANUSCRIPTS IN PROCESS**

1. Blumenfeld TJ, Bennett C, Ahmantullah D, Bargar WL. Acetabular Revision Using a Cementless Protrusio Shell: Clinical and Radiographic Analysis at Mid-term Follow-up.
2. Blumenfeld TJ, Bargar WL. The “Hanging Clunk”: A Clinical Sign of Increased Flexion Laxity in Total Knee Replacement.

3. Blumenfeld TJ, Vandewalker K. Failure of a resurfacing arthroplasty due to osteolysis of the femoral neck secondary to ARMD: a case report.

### **ABSTRACTS**

1. 2014 Hamilton W, McAuley J, Blumenfeld TJ, Lesko J, Himden S, Dennis D. Midterm Results of Delta Ceramic-on-Ceramic Total Hip Arthroplasty. AAHKS 24<sup>th</sup> Annual Meeting, Dallas, TX, Nov 6-9.
2. 2013 Blumenfeld TJ, Bargar WL. Use of a Deep Profile Acetabular Component in Revision THA: Mid-Term Results. The 2013 Summer Meeting of the Hip Society, Charleston, SC, October 3-5.
3. 2013 Blumenfeld TJ, Bargar WL. 2012 The Hanging Lateral Radiograph: A Simple Technique to Identify Flexion Laxity in TKA. The Members Meeting of the Knee Society, Toronto, ON, Canada, Sept 19-21.
4. 2012 Hamilton WG, McAuley JP, Murphy J, Blumenfeld T, Dennis D. Delta Ceramic on Ceramic THA- Midterm Results Including Squeaking and Liner Fracture Rates. Canadian Orthopaedic Association/Canadian Orthopaedic Research Society, Ottawa, ON, June 8-10, 2012.
5. 2010 Blumenfeld TJ, Bargar WL. A Novel Treatment for Large Acetabular Defects in Revision Total Hip Arthroplasty. The "Cup in Cup" Construct. Hip Society Summer Scientific Meeting (Closed). New York, NY, September 23-25.
6. 2009 Blumenfeld TJ, Bargar W. Treatment of Large Protrusio Defects in Revision Total Hip Arthroplasty. A "Cup in Cup" Construct. ISTA 22<sup>nd</sup> Annual Symposium. Hawaii, October 22-24.
7. 2009 Blumenfeld TJ, Glaser D, Bargar W, Komistek R, Langston G, Mahfouz M. In Vivo Assessment of Hip Kinematics During Four Difficult Activities. ISTA 22<sup>nd</sup> Annual Symposium. Hawaii, October 22-24.
8. 2009 Blumenfeld TJ, Glaser D, Bargar W, Komistek R, Langston G, Mahfouz M. In Vivo Assessment of Hip Kinematics During Four Difficult Activities. Orthopaedic Research Society Annual Meeting. Las Vegas, NV Feb 22-25.
9. 2007 Blumenfeld TJ. Jump Distance as a Function of Acetabular Abduction Angle and Femoral Head Diameter. AAOS 74<sup>th</sup> Annual Meeting. San Francisco, CA Feb 14-18.

10. 2003 Blumenfeld TJ, Bargar WL. Early Modes of Failure of an Anatomic Hydroxylapatite Coated Femoral Component at Mid-Term Follow-up. ISTA 16<sup>th</sup> Annual Symposium. San Francisco, CA Sept 24-27.
11. 2003 Bargar WL, Blumenfeld TJ. Surgical Time and Blood Loss Following ROBODOC THR. ISTA 16<sup>th</sup> Annual Symposium. San Francisco, CA Sept 24-27.
12. 2003 Blumenfeld TJ, Bargar WL. Dislocation rates after isolated head and liner exchange in revision total hip arthroplasty. AAOS 70<sup>th</sup> Annual Meeting. New Orleans, LA Feb 5-9.
13. 2002 Blumenfeld TJ, Bargar WL. Early Failure of a Cementless Acetabular Component Due to a Change in Manufacturing. AAOS 69<sup>th</sup> Annual Meeting, Dallas, TX Feb
14. 2002 Blumenfeld TJ, Bargar WL. Dislocation Rates after Isolated Head and Liner Exchange in Revision Total Hip Arthroplasty. ISTA 15<sup>th</sup> Annual Symposium. Oxford, England Sept 25-28.
15. 2002 Bargar WL, Blumenfeld TJ, Taylor JL. Acetabular Revision Using a Cementless Protrusio Shell. ISTA 15<sup>th</sup> Annual Symposium. Oxford, England Sept 25-28.
16. 2001 Blumenfeld TJ, Bargar WL. Early Failure of a Cementless Acetabular Component Due to a Change in Manufacturing. ISTA 14<sup>th</sup> Annual Symposium, Maui, HI Sept.
17. 2001 Blumenfeld TJ, Bargar WL. Early Failure of a Cementless Acetabular Component Due to a Change in Manufacturing. Western Orthopaedic Association, San Francisco, CA.
18. 1998 Blumenfeld TJ, Bargar WL. Clinical utilization of autologous blood donation for total knee surgery. Sutter Institute for Medical Research Meeting, Sacramento, CA.
19. 1995 Blumenfeld TJ, Alessandro D, Karlin LI. Predictors of pancreatitis after scoliosis surgery. American Academy of Pediatrics 1995
20. 1994 Blumenfeld TJ, Moran M, Scott RD. Minimum 15 year Follow-up of the Duopatellar All-polyethylene Tibial Tray: A Clinical and Radiographic Review. AAOS 61<sup>st</sup> Annual Meeting, New Orleans, LA.
21. 1994 Blumenfeld TJ, Moran M, Scott RD. Minimum 15 year Follow-up of the Duopatellar All-polyethylene Tibial Tray: A Clinical and Radiographic Review. Arthritic Hip and Knee Society 1994

22. 1993 Brennan W, Blumenfeld TJ, Terrono D, Millender L. Surgical Treatment of the Diabetic Trigger Finger. National Hand Society 1993
23. 1992 Blumenfeld TJ, Feiler HE, Lee PC, Kamins P, Harris J McA. Early Results of Resurfaced Versus Non-resurfaced Patellas in Total Knee Arthroplasty For Osteoarthritis. National Veterans Administration Meeting 1992

### **SCIENTIFIC EXHIBITS/ POSTERS**

1. 2016 Odum, S, Fehring T, and the Knee Society Crosswalk Writing Group. Can You Crosswalk Original Knee Society Scores to the New 2011 Knee Society Score? AAOS 83<sup>rd</sup> Annual Meeting, Orlando, Fl. Mar. 1-4, 2016.
2. 2014 Blumenfeld TJ, Mahfouz ML, Bargar WL. The Hanging Lateral Radiograph: A Simple Technique to Identify Flexion Laxity in TKA. AAOS 81<sup>st</sup> Annual Meeting, New Orleans, LA Mar. 11-15, 2014.
2. 2013 Hamilton WG, McAuley JP, Blumenfeld T, Dennis D, Lesko J. Delta Ceramic on Ceramic THA- Midterm IDE Study Results. American Association of Hip and Knee Surgeons, Dallas, TX Nov. 8-10, 2013.
3. 2011 Hamilton WG, McAuley JP, Murphy J, Blumenfeld T, Dennis D. Delta Ceramic on Ceramic THA- Midterm Results Including Squeaking and Liner Fracture Rates. American Association of Hip and Knee Surgeons, Dallas, TX Nov. 4-6, 2011.
4. 2009 Blumenfeld T, Bargar W. The “Hanging Clunk”: Initial Description of a Clinical Sign of Increased Flexion Laxity in Total Knee Replacement. ISTA 22<sup>nd</sup> Annual Symposium. Hawaii, October 22-24.
5. 2009 Blumenfeld T, Glaser D, Bargar W, Komistek R, Langston G, Mahfouz M. In Vivo Assessment of Hip Kinematics During Four Difficult Activities. Orthopaedic Research Society Annual Meeting. Las Vegas, NV Feb 22-25.
6. 2008 Blumenfeld TJ, Bargar WL. Leg Lengths After Total Hip Arthroplasty: Use of a Patient Specific Pre-operatively Planned Femoral Neck Resection. AOA/COA Combined Meeting, Quebec City, Canada, June 4-7.
7. 2006 Blumenfeld, TJ, Bargar WL. Acetabular Revision Using a Cementless Protrusio Shell: Clinical and Radiographic Analysis at Mid-term Follow-up. American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX November 4-6.



8. 2004 Blumenfeld, TJ, Bargar WL. Mid-term Failure of a Cementless Femoral Component. AAOS 71<sup>st</sup> Annual Meeting, San Francisco, CA March 14-17.

### **TEACHING ACTIVITIES and MEETINGS**

1. Co-Chairman  
University of California at San Francisco Hip and Knee Arthroplasty Meeting  
Sonoma, CA September 6-7, 2018.
2. Co-Chairman  
University of California at San Francisco Hip and Knee Arthroplasty Meeting  
San Francisco, CA December 8-9, 2016
3. Moderator  
Adult Reconstruction Knee I: Surgical Technique  
AAOS 83<sup>rd</sup> Annual Meeting, Orlando, Fl. Mar. 1-4, 2016.
4. Course Director and Chairman  
International Congress for Joint Reconstruction West  
Napa, CA June 6-8, 2015
5. Lecturer, Basic Science Curriculum for Orthopaedic Residents  
U.C. Davis  
2009 to 2015
6. Lecturer and Instructor  
2nd and 3rd year Resident Basics in Arthroplasty Course  
2004 to 2015
7. Course Director and Chairman  
International Congress for Joint Reconstruction West  
Napa, CA June 5-7, 2014
8. Lecturer and Instructor  
2014 AAOS Orthopaedic Resident Training Initiative (West)  
Los Angeles, CA April 5-6, 2014
9. Course Director and Chairman  
International Congress for Joint Reconstruction West  
Napa, CA June 6-8, 2013
10. Moderator  
Adult Reconstruction Hip 3 – Biomaterials  
AAOS Annual Meeting San Francisco, CA February 7-11, 2012
11. Moderator

Adult Reconstruction Hip 2 – Metal on Metal Bearings  
AAOS Annual Meeting San Diego, CA February 16-20, 2011

12. Lecturer and Instructor  
Masters Series Revision Hip Arthroplasty  
Roseville, IL September 16, 2010
13. Symposium Participant  
Symposium C, State of the Art Revision Hip and Knee Replacement: A Case Based Symposium.  
AAOS Annual Meeting New Orleans, LA March 9-13, 2010
14. Moderator  
Session 10-A: Update on Alternative Bearings in Total Hip Arthroplasty  
Session 14-C: The Future of Alternative Bearings in Orthopaedics  
International Society for Technology in Arthroplasty 22<sup>nd</sup> Annual Symposium  
Kona, HI October 22-24, 2009
15. Moderator  
Adult Reconstruction Hip 2  
AAOS Annual Meeting Las Vegas, NV February 25, 2009
16. Chairman and Lecturer  
Anterior Approach Learning Center  
Sacramento, CA April 13, 2007
17. Lecturer  
Transforming Orthopaedics: Improving Outcomes through Technology  
CAS TKR: “Lessons Learned”  
Pre-Operative Planning and Defect Classification in Revision THA  
Head and Liner Exchange in Revision THA  
Stems in Revision TKA  
Park City, UT March 14-18, 2007
18. Chairman and Instructor  
Advances in Technique and Technology (Live Surgical Demonstration)  
Sacramento, CA November 2006
19. Lecturer and Instructor  
Masters Series Revision Hip and Knee Arthroplasty  
Rosemont, IL April 18-19, 2006
20. Lecturer  
Advances in Arthroplasty  
Ceramics in Total Hip Arthroplasty  
Computer Navigation in Total Knee Arthroplasty  
Las Vegas, NV October 7-8, 2005

21. Lecturer and Instructor  
Masters Series Revision Hip and Knee Arthroplasty  
Rosemont, IL April 18-19, 2005
22. Lecturer  
Advances in Technique and Technology  
Ceramics in Total Hip Arthroplasty  
San Francisco, CA October 9, 2004
23. Lecturer  
Classification and Management of Acetabular Defects in Revision Surgery  
Biomet Roundtable Napa, CA November 11-12, 2003
22. Lecturer  
Orthopaedic Update: Joint Replacement/Orthobiologics  
Evaluation of the Painful Total Knee Arthroplasty  
Napa, CA October 23-26, 2003
23. Lecturer  
Orthopaedic Update: Joint Replacement/Orthobiologics  
Classification and Management of Acetabular Defects in Revision Surgery  
Napa, CA May 3-5, 2002
24. Secretary  
International Society for Technology in Arthroplasty  
San Diego, CA 1997 Annual Meeting

### **CLINICAL RESEARCH**

1. Principal Investigator  
Deputy Ceramax IDE, 6 center National Trial  
June 2006 to current (Submitted to FDA)
2. Principal Investigator  
Deputy Ceramax IDE, 8 center National Trial  
November 2003 to current (Submitted to FDA)
3. ROBODOC Clinical Investigator  
Phase II FDA Trial  
2001 to 2008, Approved by FDA
4. National Phase II Procrit Study participant, 2003

### **RESEARCH SUPPORT**

1. Blumenfeld, TJ; The “Hanging Clunk”: Initial Description of Clinical Increased Flexion Laxity in Total Knee Replacement. \$14,000/ Sutter Institute for Medical Research, 2011
2. Blumenfeld, T.J.; Minimum 10 year follow-up of the Arthropor DP+6 Acetabular Component. \$25,000/ Depuy, a Johnson and Johnson Company, 2008
3. Blumenfeld, TJ; Clinical Utilization of Autologous Blood Donation for Knee Replacement Surgery. \$5,000/ Sutter Institute for Medical Research, 1995

### **RESEARCH INTERESTS**

- 1) Clinical community failure rates in total hip and knee arthroplasty.
- 2) Reconstructive alternatives for the treatment of pelvic discontinuity in total hip arthroplasty.
- 3) Identification of and solutions for solving flexion laxity in revision total knee arthroplasty.

### **ACADEMIC ASSIGNMENTS**

- 1) Editorial Board, Journal of Arthroplasty, Arthroplasty Today
- 2) Editorial Board, Clinical Orthopaedics and Related Research
- 3) Reviewer, Journal of Bone and Joint Surgery
- 4) Reviewer, Clinical Orthopaedics and Related Research
- 5) Reviewer, Journal of Arthroplasty, Arthroplasty Today

### **PROFESSIONAL AFFILIATIONS**

- 1) American Association of Hip and Knee Surgeons
- 2) Fellow, American Academy of Orthopaedic Surgeons
- 3) Western Orthopaedic Association
- 4) California Orthopaedic Association
- 5) Alpha Omega Alpha Honor Society